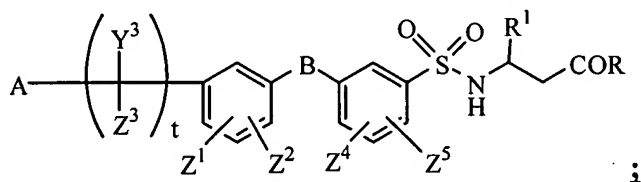


Amended Claims

Claims 1-26 (canceled).

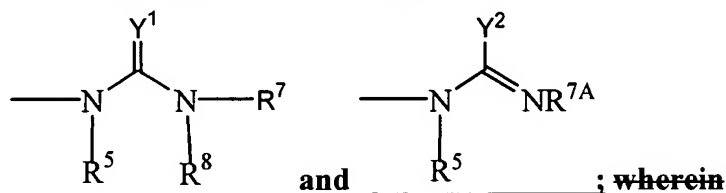
27. (previously presented) A method for treating diabetic retinopathy in a mammal in need of such treatment, wherein: comprising  
the method comprises administering an effective  $\alpha_v\beta_3$  inhibiting amount comprising from about 0.01 mg to about 1000 mg per kilogram of body weight of a compound or pharmaceutically acceptable salt thereof to the mammal;  
the compound corresponds in structure to [[of]] the formula:



~~or a pharmaceutically acceptable salt thereof, wherein~~

B is selected from the group consisting of  $-\text{CONR}^{50}-$  and  $-\text{SO}_2\text{NR}^{50}-$ ;

A is selected from the group consisting of:



$Y^1$  is selected from the group consisting of  $\text{N-R}^2$ , O, and S;

as to  $R^2$ :

$R^2$  is selected from the group consisting of H; alkyl; aryl; hydroxy; alkoxy; cyano; nitro; amino; alkenyl; alkynyl; alkyl **optionally** substituted with one or more substituents ~~substituent~~ selected from the group consisting of lower alkyl, halogen, hydroxyl, haloalkyl, cyano, nitro, carboxyl, amino, alkoxy, aryl, [[or]] aryl **optionally** substituted with one or more halogen, haloalkyl, lower alkyl, alkoxy, cyano, alkylsulfonyl, alkylthio, nitro, carboxyl, amino, hydroxyl, sulfonic acid, sulfonamide, aryl, fused aryl, monocyclic heterocycles, and [[or]] fused monocyclic

heterocycles; aryl ~~optionally~~ substituted with one or more **substituent substituents** selected from the group consisting of halogen, haloalkyl, hydroxy, lower alkyl, alkoxy, methylenedioxy, ethylenedioxy, cyano, nitro, alkylthio, alkylsulfonyl, sulfonic acid, sulfonamide, carboxyl derivatives, amino, aryl, fused aryl, monocyclic heterocycles, and fused monocyclic ~~heterocycle~~ **heterocycles**; monocyclic heterocycles; and ~~monocyclic~~ **monocyclic** heterocycles ~~optionally~~ substituted with one or more **substituent substituents** selected from the group consisting of halogen, haloalkyl, lower alkyl, alkoxy, amino, nitro, hydroxy, carboxyl derivatives, cyano, alkylthio, alkylsulfonyl, sulfonic acid, sulfonamide, aryl, and ~~[[or]]~~ fused aryl; or

$R^2$  ~~and taken together with  $R^7$ , together with the atoms to which they are bonded, form: [[forms]]~~

a 4-12 membered dinitrogen containing heterocycle optionally substituted with one or more **substituent substituents** selected from the group consisting of lower alkyl, hydroxy, and phenyl; ~~or  $R^2$  taken together with  $R^7$  forms~~

a 5 membered heteroaromatic ring; or  ~~$R^2$  taken together with  $R^7$  forms~~

a 5 membered heteroaromatic ring fused with a phenyl group;

as to  $R^7$ :

$R^7$  ~~is (when not taken together with  $R^2$ ) and  $R^8$  are~~ **independently** selected from the group consisting of H; alkyl; alkenyl; alkynyl; aralkyl; cycloalkyl; bicycloalkyl; aryl; acyl; benzoyl; alkyl **optionally** substituted with one or more **substituent substituents** selected from the group consisting of lower alkyl, halogen, hydroxy, haloalkyl, cyano, nitro, carboxyl derivatives, amino, alkoxy, thio, alkylthio, sulfonyl, aryl, aralkyl, aryl ~~optionally~~ substituted with one or more **substituent**

substituents selected from the group consisting of halogen, haloalkyl, lower alkyl, alkoxy, methylenedioxy, ethylenedioxy, alkylthio, haloalkylthio, thio, hydroxy, cyano, nitro, carboxyl derivatives, aryloxy, amido, acylamino, amino, alkylamino, dialkylamino, trifluoroalkoxy, trifluoromethyl, sulfonyl, alkylsulfonyl, haloalkylsulfonyl, sulfonic acid, sulfonamide, aryl, fused aryl, ~~monocyclic~~ monocyclic heterocycles; aryl optionally substituted with one or more ~~substituent~~ substituents selected from the group consisting of halogen, haloalkyl, lower alkyl, alkoxy, aryloxy, amino, nitro, hydroxy, carboxyl derivatives, cyano, alkylthio, alkylsulfonyl, aryl, and fused aryl; monocyclic and bicyclic heterocyclicalkyls;  $-\text{SO}_2\text{R}^{10}$ ; ~~wherein  $\text{R}^{10}$  is selected from the group consisting of alkyl, aryl and monocyclic heterocycles, all optionally substituted with one or more substituent selected from the group consisting of halogen, haloalkyl, alkyl, alkoxy, cyano, nitro, amino, acylamino, trifluoroalkyl, amido, alkylaminosulfonyl, alkylsulfonyl, alkylsulfonylamino, alkylamino, dialkylamino, trifluoromethylthio, trifluoroalkoxy, trifluoromethylsulfonyl, aryl, aryloxy, thio, alkylthio, and monocyclic heterocycles;~~ and  $-\text{C}(=\text{O})-\text{R}^{10}$ ;

$\text{R}^7$   $[[\text{NR}^7]]$  and  $\text{R}^8$ ,  $[[\text{taken}]]$  together with the nitrogen to which they are bonded, form a 4-12 membered mononitrogen containing ~~monocyclic~~ monocyclic or bicyclic ring, wherein the ring:

is optionally substituted with one or more ~~substituent~~ substituents selected from the group consisting of lower alkyl, carboxyl derivatives, aryl, and  $[[\text{or}]]$  hydroxy; and ~~wherein said ring~~

optionally contains (in addition to the nitrogen) a heteroatom selected from the group consisting of O, N, and S; or

R<sup>7</sup> and R<sup>2</sup>, together with the atoms to which they are bonded,  
form:

a 4-12 membered dinitrogen containing  
heterocycle optionally substituted with one or more  
substituents selected from the group consisting of lower  
alkyl, hydroxy, and phenyl;

a 5 membered heteroaromatic ring; or  
a 5 membered heteroaromatic ring fused with a  
phenyl group;

as to R<sup>8</sup>:

R<sup>8</sup> is selected from the group consisting of H; alkyl; alkenyl;  
alkynyl; aralkyl; cycloalkyl; bicycloalkyl; aryl; acyl; benzoyl; alkyl  
substituted with one or more substituents selected from the group  
consisting of lower alkyl, halogen, hydroxy, haloalkyl, cyano, nitro,  
carboxyl derivatives, amino, alkoxy, thio, alkylthio, sulfonyl, aralkyl,  
aryl optionally substituted with one or more substituents selected from  
the group consisting of halogen, haloalkyl, lower alkyl, alkoxy,  
methylenedioxy, ethylenedioxy, alkylthio, haloalkylthio, thio, hydroxy,  
cyano, nitro, carboxyl derivatives, aryloxy, amido, acylamino, amino,  
alkylamino, dialkylamino, trifluoroalkoxy, trifluoromethyl, sulfonyl,  
alkylsulfonyl, haloalkylsulfonyl, sulfonic acid, sulfonamide, aryl, fused  
aryl, monocyclic heterocycles; aryl substituted with one or more  
substituents selected from the group consisting of halogen, haloalkyl,  
lower alkyl, alkoxy, aryloxy, amino, nitro, hydroxy, carboxyl  
derivatives, cyano, alkylthio, alkylsulfonyl, aryl, and fused aryl;  
monocyclic and bicyclic heterocyclicalkyls; -SO<sub>2</sub>R<sup>10</sup>;

and  $\text{---}\overset{\text{O}}{\underset{\text{||}}{\text{C}}}\text{---R}^{10}$ ; or

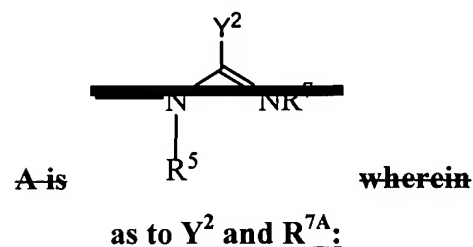
R<sup>8</sup> and R<sup>7</sup>, together with the nitrogen to which they are bonded, form a 4-12 membered mononitrogen containing monocyclic or bicyclic ring, wherein the ring:

is optionally substituted with one or more substituents selected from the group consisting of lower alkyl, carboxyl derivatives, aryl, and hydroxy; and optionally contains (in addition to the nitrogen) a heteroatom selected from the group consisting of O, N, and S;

R<sup>10</sup> is selected from the group consisting of alkyl, aryl, and monocyclic heterocycles, wherein:

any such group is optionally substituted with one or more substituents selected from the group consisting of halogen, haloalkyl alkyl, alkoxy, cyano, nitro, amino, acylamino, trifluoroalkyl, amido, alkylaminosulfonyl, alkylsulfonyl, alkylsulfonylamino, alkylamino, dialkylamino, trifluoromethylthio, trifluoroalkoxy, trifluoromethylsulfonyl, aryl, aryloxy, thio, alkylthio, and monocyclic heterocycles; wherein R<sup>10</sup> is defined above; or

R<sup>5</sup> is selected from the group consisting of H, alkyl, alkenyl, alkynyl, benzyl, and phenethyl phenylethyl; or



Y<sup>2</sup> and R<sup>7A</sup> are independent substituents such that:

Y<sup>2</sup> is selected from the group consisting of alkyl; cycloalkyl; bicycloalkyl; aryl; monocyclic heterocycles; alkyl ~~optionally~~ substituted with aryl which can also be optionally substituted with one or more ~~substituent~~ substituents selected from the group consisting of halo,

haloalkyl, alkyl, nitro, hydroxy, alkoxy, aryloxy, aryl, and  
[[or]] fused aryl; aryl ~~optionally~~ substituted with one or  
more ~~substituent~~ substituents selected from the group  
consisting of halo, haloalkyl, hydroxy, alkoxy, aryloxy,  
aryl, fused aryl, nitro, methylenedioxy, ethylenedioxy, and  
[[or]] alkyl; ~~alkylaryl~~ alkynyl; alkenyl; -SR<sup>9</sup>, and -OR<sup>9</sup>-;  
and

R<sup>7A</sup> is selected from the group consisting of H;  
alkyl; alkenyl; alkynyl; aralkyl; cycloalkyl;  
bicycloalkyl; aryl; acyl; benzoyl; alkyl substituted with  
one or more substituents selected from the group  
consisting of lower alkyl, halogen, hydroxy, haloalkyl,  
cyano, nitro, carboxyl derivatives, amino, alkoxy, thio,  
alkylthio, sulfonyl, aryl, aralkyl, aryl substituted with  
one or more substituents selected from the group  
consisting of halogen, haloalkyl, lower alkyl, alkoxy,  
methylenedioxy, ethylenedioxy, alkylthio, haloalkylthio,  
thio, hydroxy, cyano, nitro, carboxyl derivatives,  
aryloxy, amido, acylamino, amino, alkylamino,  
dialkylamino, trifluoroalkoxy, trifluoromethyl, sulfonyl,  
alkylsulfonyl, haloalkylsulfonyl, sulfonic acid,  
sulfonamide, aryl, fused aryl, monocyclic heterocycles;  
aryl substituted with one or more substituents selected  
from the group consisting of halogen, haloalkyl, lower  
alkyl, alkoxy, aryloxy, amino, nitro, hydroxy, carboxyl  
derivatives, cyano, alkylthio, alkylsulfonyl, aryl, and  
fused aryl; monocyclic and bicyclic heterocyclicalkyls;  
-SO<sub>2</sub>R<sup>10</sup>; and  $\text{---}\overset{\text{O}}{\underset{\parallel}{\text{C}}}\text{---R}^{10}$ ; wherein

Y<sup>2</sup> is -SR<sup>9</sup> and -OR<sup>9</sup>- such that R<sup>7A</sup> and R<sup>9</sup>, together with the atoms to which they are bonded, form a 4-12 membered mononitrogen containing sulfur or oxygen containing heterocyclic ring; or

Y<sup>2</sup> is carbon such that Y<sup>2</sup> and R<sup>7A</sup>, together with the atoms to which they are bonded, form a 4-12 membered mononitrogen containing ring optionally substituted with alkyl, aryl, or hydroxy;

as to R<sup>9</sup>:

R<sup>9</sup> is selected from the group consisting of H; alkyl; aralkyl; aryl; alkenyl; and alkynyl; or

R<sup>9</sup> and R<sup>7A</sup>, ~~[[taken]]~~ together with the atoms to which they are bonded, form R<sup>7</sup>-forms a 4-12 membered mononitrogen containing sulfur or oxygen containing heterocyclic ring;

~~and R<sup>5</sup> and R<sup>7</sup> are as defined above; or Y<sup>2</sup> (when Y<sup>2</sup> is carbon) taken together with R<sup>7</sup> forms a 4-12 membered mononitrogen containing ring optionally substituted with alkyl, aryl, or hydroxy;~~

Z<sup>1</sup>, Z<sup>2</sup>, Z<sup>4</sup>, and Z<sup>5</sup> are independently selected from the group consisting of H; alkyl; hydroxy; alkoxy; aryloxy; arylalkoxy; halogen; haloalkyl; haloalkoxy; nitro; amino; aminoalkyl; alkylamino; dialkylamino; cyano; alkylthio; alkylsulfonyl; carboxyl derivatives; acetamide; aryl; fused aryl; cycloalkyl; thio; monocyclic heterocycles; fused monocyclic heterocycles; and A, ~~wherein A is defined above;~~

R<sup>50</sup> is selected from the group consisting of H and alkyl;

R<sup>1</sup> is selected from the group consisting of H, alkyl, alkenyl, alkynyl, aryl, and aryl, optionally substituted with one or more ~~substituent~~ substituents selected ~~[[form]]~~ from the group consisting of halogen, haloalkyl, hydroxy, alkoxy, aryloxy, aralkoxy, amino, aminoalkyl, carboxyl derivatives, cyano, and nitro;

t is ~~an integer 0~~ zero, 1, or 2;

R is X-R<sup>3</sup>; ~~wherein~~

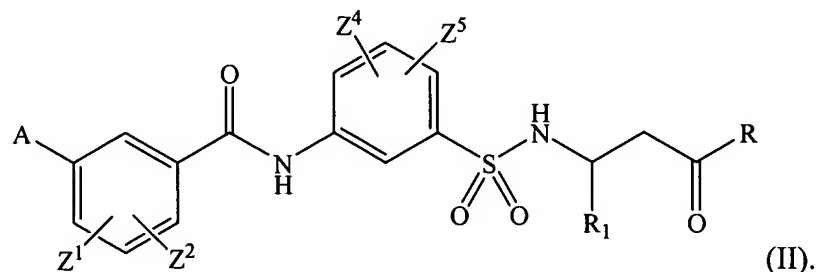
X is selected from the group consisting of O, S, and NR<sup>4</sup>; ~~wherein~~

$R^3$  and  $R^4$  are independently selected from the group consisting of hydrogen; alkyl; alkenyl; alkynyl; haloalkyl; aryl; arylalkyl; sugars; and steroids ~~and in the case of the free acid, all pharmaceutically acceptable salts thereof~~; and

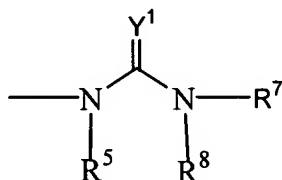
$Y^3$  and  $Z^3$  are independently selected from the group consisting of H, alkyl, aryl, cycloalkyl, and aralkyl.

**Please add the following new claims:**

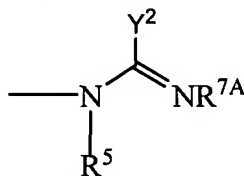
28. **(new)** A method according to claim 27, wherein the compound corresponds in structure to Formula II:



29. **(new)** A method according to claim 28, wherein A is:

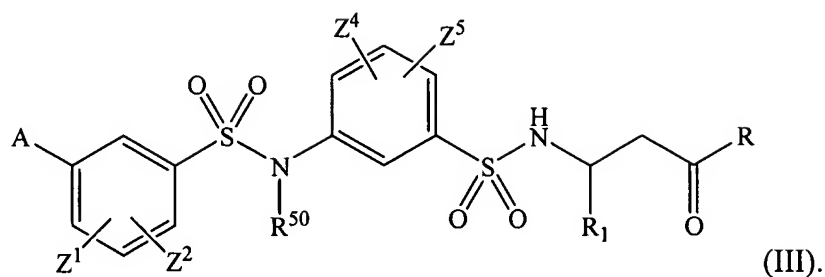


30. **(new)** A method according to claim 28, wherein A is:

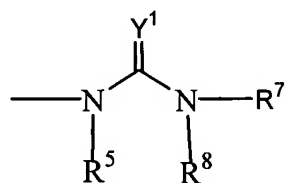


31. **(new)** A method according to claim 27, wherein the compound corresponds in structure to Formula III:

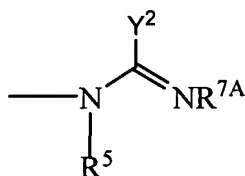




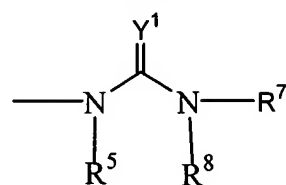
32. **(new)** A method according to claim 31, wherein A is:



33. **(new)** A method according to claim 31, wherein A is:



34. **(new)** A method according to claim 27, wherein A is:



35. **(new)** A method according to claim 27, wherein A is:

